

## Proposal for AMEVSC working group

Revision of document AMEVSC-03-11e

### Annex 21 appendix 2

Paragraph 2.3. proposed amendment:

The simulator shall be deemed to be validated ~~for a range of wheel base lengths and centre of gravity heights for a vehicle type(s)~~ when its output is comparable to the practical test results produced by the same vehicle ~~type(s)~~ during the ~~selected~~ manoeuvre(s) ~~selected~~ from those defined ~~with in~~ paragraph 2.1.3. or 2.2.3. of Annex 21, as appropriate.

The comparison shall include ~~at least three~~ practical tests ~~each containing each of the criteria specified in paragraph 1.2. of Annex 21 appropriate to the vehicles for which validation of the simulation tool is required. The tests shall be carried out~~ in the laden and unladen condition to show that different conditions of load can be adapted to and to confirm the extreme parameters to be simulated; i.e.

- ⇒ a vehicle with shortest wheelbase and highest centre of gravity;
- ⇒ a vehicle with longest wheelbase and highest centre of gravity;
- and,
- ⇒ a vehicle with an intermediate wheelbase approximately midway between the longest and shortest wheelbases with the highest centre of gravity.

In the case of the steady state circular test the under-steer gradient shall be the means of making the comparison.

In the case of a dynamic manoeuvre, the relationship of activation and sequence of the vehicle stability function in the simulation and in the practical vehicle test shall be the means of making the comparison.